

Alabama Research Experiences for Undergraduates



Program Description

The Alabama Research Experiences for Undergraduates (ALREU) program is a 10-week summer internship program for undergraduate students enrolled at Alabama HBCU institutions. The program provides students with quality research experiences at Connecting the Plasma Universe to Plasma Technology in Alabama (CPU2AL) partner institutions in a broad spectrum of disciplines. The ultimate goal of the program is to engage a diverse, educated, and skilled pool of scientists and engineers to promote long-term relationships between students and investigators to enhance the Alabama workforce.

- The ALREU program is envisioned to run in parallel to NSF REU programs at the different institutions.
- The NSF Established Program to Stimulate Competitive Research (EPSCoR) CPU2AL project involves a partnership comprising nine universities and a research corporation in Alabama and is funded through Cooperative Agreement OIA-1655280 by the National Science Foundation.

ALREU Intern Benefits

- Ten-week stipend of \$5500
- Paid on-campus housing during the internship period
- Travel allowance of up to \$700 for roundtrip transportation costs from/to the student home institution to/from the host institution

ALREU Eligibility

- Applicants must be undergraduate students enrolled full time at an HBCU in Alabama
- Applicants must be pursuing a degree in a science, technology, engineering or mathematics (STEM) field.
- Applicants must be rising juniors or seniors. Applicants graduating before the internship are not eligible to apply unless they have been accepted an offer to become graduate students at a CPU2AL institution. Freshmen applicants are ineligible.
- Applicants must have a cumulative GPA of 2.75 or higher.
- Applicants must be 19 years of age by the start date of the appointment.

Taelor Allen & Mhiret Girma



**Tuskegee University Student
University of Alabama in Huntsville Intern**



**Alabama A&M University
Student and Intern**

"I have had a cool, exciting, and educational summer working with plasma physics. I have learned about the fourth state of matter that is in a lot of items that are common to everyday life as the sun, stars, lightning, lightbulbs, and neon signs. The professors, graduate and doctoral students at both UAH & AAMU, the seminars, and having hands-on experiences with plasma physics and food microbiology have all combined to make this program extraordinary for me. I would strongly recommend ALREU for anyone interested in a career in research."

"Since the beginning of the internship, I have learned a lot. I've learned how to start research and how to utilize articles and papers that have been published. There are also times where things don't go according to plan, but it can be overcome by not stopping and trying different ways. The best part of this research is that plasma is the future. Being able to understand it and work on a project that benefits the world and science is an amazing opportunity. I will definitely advise any student to be a part of this project because plasma is diverse and it has many applications. Being able to come up with a technology that benefits the whole society is what I believe everyone is striving for."

Website

[uah.edu/cpu2al/
career-opportunities/alpip](http://uah.edu/cpu2al/career-opportunities/alpip)



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